

## **July 2010 Weather in Review**

A series of summer rain making weather systems coming from the east and southeast brought several rain events to South Central Texas in July this year, that was a big contrast to the dry and hot July weather in 2009, that was the warmest July and month at Austin Mabry and San Antonio and the 3rd warmest July and month at Del Rio. The average temperature in July 2010 was warmer than usual over the east part of South Central Texas to cooler than usual over the west part of South Central Texas. The most rain in July 2010 fell over the west part of Val Verde County, where Langtry picked up 14.81 inches of rain for the month, that came from July 1st to July 10th. Del Rio tied with 2007 for the 10th wettest July with 4.72 inches of rain, while Austin Bergstrom had the 4th wettest July with 5.37 inches of rain. The 3.38 inches of rain at Austin Mabry was the 30th wettest July at Austin Mabry since 1856, a 155 year time span. After a dry spring at Austin, June and July this year have brought more rain, especially in July, a month that is usually dry at Austin. The rainfall of 3.68 inches at San Antonio was the 27th wettest July at San Antonio since 1871, a 140 year time span.

July 2010 began with occasional rain from showers and thunderstorms north of Hurricane Alex that had moved inland on July 1st across Northeast Mexico. Occasional rain with showers and thunderstorms moved across South Central Texas Friday the 2nd from the morning through the early evening hours. On the 2nd Del Rio picked up periods of heavy rain in the afternoon, where a high of 82 tied for the lowest July 2nd high temperature previously seen July 2, 1948. Scattered showers continued the weekend of the 3rd and 4th, with the most rain over the west part of South Central Texas and Val Verde County. The weather briefly turned more stable on the 6th, and then showers increased again from the east and southeast on the afternoon of July 7th, as another summer rain making weather system came across the region from the east and southeast. The showers increased more on the 8th and 9th north and northeast of tropical depression two, that moved across Northeast Mexico. More stable conditions followed the 10th and 11th through the 17th. Daytime showers returned on the 18th. Isolated to scattered shower activity continued the 19th and 20th and increased again from the east and southeast the 21st to the 23rd. The shower activity was isolated on the weekend of the 24th and 25th and then increased in the afternoon of Monday the 26th. Occasional rain with showers continued the 27th to the 28th. Dry late July weather followed the 29th to the 31st, as the subtropical high settled over the region again. Some of the warmest days of the month were observed the 17th, 18th, 30th, and 31st.

Climate statistics for July 2010 showing the cooler than usual conditions at Del Rio, and rainfall information for Austin, Del Rio, and San Antonio follows.

The average temperature of 83.3 degrees at Del Rio in July of 2010 ties with July of 1916 for the 13th coolest July at Del Rio from December 1905 through July of 2010. The coolest Julys at Del Rio from December 1905 to July 2010 are listed below.

1. 78.0 July 1976
2. 81.1 July 1919 and July 2007
3. 81.2 July 1975
4. 81.5 July 1906
5. 82.0 July 1971
- ...
13. 83.3 July 1916 and July 2010

**The average high of 91.5 at Del Rio in July 2010 tied with July 1926 and 1935 for the 5th coolest average daily high at Del Rio for the month of July. The 5 lowest average daily highs at Del Rio in July from December 1905 to July 2010 are listed below.**

- 1. 86.0 July 1976**
- 2. 89.4 July 1919**
- 3. 89.7 July 2007**
- 4. 91.4 July 1975**
- 5. 91.5 July 1926...July 1935 and July 2010**

**The 4.72 inches of rain in July 2010 at Del Rio made July 2010 rainfall tie with July of 2007 for the 10th wettest July of record at Del Rio. The 10 wettest Julys at Del Rio from December 1905 to July 2010 are listed below.**

- 1. 13.18 July 1976**
- 2. 8.89 July 1906**
- 3. 8.26 July 1975**
- 4. 6.19 July 1948**
- 5. 6.17 July 1914**
- 6. 5.70 July 1909**
- 7. 5.34 July 2003**
- 8. 5.07 July 1994**
- 9. 4.81 July 1960**
- 10. 4.72 July 2007 and July 2010**

**The 27.13 inches of rain at Del Rio from January to July of 2010 made January to July of 2010 the wettest January to July of record at Del Rio since December 1905. The wettest January to July periods at Del Rio are listed below.**

- 1. 27.13 January to July 2010**
- 2. 25.53 January to July 1935**
- 3. 23.82 January to July 2007**
- 4. 22.57 January to July 1914**
- 5. 20.69 January to July 1957**

**The 26.89 inches of rain at San Antonio from January to July of 2010 made January to July of 2010 the 14th wettest January to July of record at San Antonio since 1871. The wettest January to July periods at San Antonio are listed below.**

- 1. 37.84 January to July 2007**
- 2. 36.26 January to July 1992**
- 3. 32.60 January to July 1973**
- 4. 32.10 January to July 1935**
- 5. 30.24 January to July 1987**
- 6. 29.29 January to July 1979**
- 7. 28.99 January to July 1957**
- 8. 28.50 January to July 1949**
- 9. 28.28 January to July 1919**
- 10. 27.52 January to July 1903**
- 11. 27.33 January to July 1885**
- 12. 27.30 January to July 1993**
- 13. 27.18 January to July 1985**

**14. 26.89 January to July 2010**

**15, 26.71 January to July 1900**

**The 5.37 inches of rain in July 2010 at Austin Bergstrom made July 2010 the 4th wettest July of record at Austin Bergstrom from October 1942 through July 2010. The 5 wettest Julys at Austin Bergstrom since October 1942 are listed below.**

- 1. 9.77 inches July 1979**
- 2. 7.62 inches July 2007**
- 3. 5.82 inches July 1961**
- 4. 5.37 inches July 2010**
- 5. 5.34 inches July 1999**

**The 3.38 inches of rain at Austin Mabry in July of 2010 made July of 2010 the 30th wettest July at Austin Mabry from 1856 to July of 2010. The 5 wettest Julys at Austin Mabry from 1856 to July 2010 are listed below.**

- 1. 12.80 July 1919**
- 2. 12.65 July 1903**
- 3. 10.54 July 1979**
- 4. 9.84 July 2007**
- 5. 9.25 July 1936**

**The 3.68 inches of rain at San Antonio in July of 2010 made July of 2010 the 27th wettest July at San Antonio from 1871 to July of 2010. The 5 wettest Julys at San Antonio from 1871 to July 2010 are listed below.**

- 1. 16.92 July 2002**
- 2. 11.76 July 2007**
- 3. 8.29 July 1990**
- 4. 8.19 July 1942**
- 5. 8.12 July 2003**